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(71) Applicant (for all designated States except US): BIOIN-  
VENT INTERNATIONAL AB [SE/SE]; S-223 70 Lund  
(SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): FRENDEUS, Björn  
[SE/SE]; Domherrevägen 6 B, S-227 31 Lund (SE).

(74) Agent: THOMAS, Philip; Eric Potter Clarkson, Park  
View House, 58 The Ropewalk, Nottingham NG1 5DD  
(GB).

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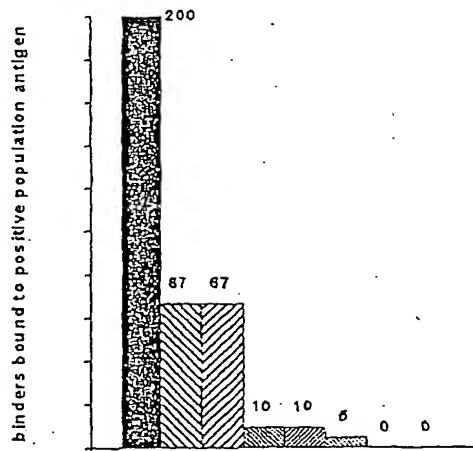
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(54) Title: METHOD FOR SCREENING ANTI-LIGAND LIBRARIES FOR IDENTIFYING ANTI-LIGANDS SPECIFIC FOR  
DIFFERENTIALLY AND INFREQUENTLY EXPRESSED LIGANDS



- Positive cell restricted antigen
- ▨ Positive cell enriched antigen A
- ▩ Positive cell enriched antigen B
- ▧ Positive cell enriched antigen C
- ▦ Positive cell enriched antigen D
- ▥ Positive cell enriched antigen E
- Common antigen (highly expressed)
- Common antigen (moderately expressed)

(57) Abstract: The present invention relates to screening methods and, in particular, to methods of screening anti-ligand libraries for identifying anti-ligands specific for differentially and/or infrequently expressed ligands. The method comprises the steps of providing a library of anti-ligands; providing a first subtractor ligand; providing a second target ligand; determining the amount of the first and second target ligands using one or more equations derived from the universal law of mass action; providing the determined amount of a first subtractor ligand; providing the determined amount of a second target ligand; providing separation means capable of use to isolate anti-ligand bound to the second target ligand from anti-ligand bound to the first subtractor ligand; exposing the library of to the first and second target ligands to permit binding of anti-ligands to ligands; and using the separation means to isolate the anti-ligand bound to second target ligand.

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